

1	ATTRYYLGAV	ELSWDYMQSD	LGELPVDARF	PPRVPKSFPF	NTSVVYKCTL
51	FVEFTVHLFN	IAKPRPPWMG	LLGPTIQAEV	YDTVVITLKN	MASHPVSLHA
101	VGVSYWKAKE	GAEYDDQTSQ	REKEDDKVFP	GGSHTYVWQV	LKENGPMASD
151	PLCLTYSYLS	HVDLVKDLNS	GLIGALLVCR	EGSLAKEKTQ	TLHKFILLFA
201	VFDEGKSWHS	ETKNSLMQDR	DAASARAWPK	MHTVNGYVNR	SLPGLIGCHR
251	KSVYWHVIGM	GTTPEVHSIF	LEGHTFLVRN	HRQASLEISP	ITFLTAQTLL
301	MDLGQFLLFC	HISSHQHDGM	EAYVKVDSCP	EEPQLRMKNN	EEAEDYDDDL
351	TDSEMDVVRF	DDDNSPSFIQ	IRSVAKKHPK	TWVHYIAAEE	EDWDYAPLVL
401	APDDRSYKSQ	YLNNGPQRIQ	RKYKKVRFMA	YTDEFKTRT	AIQHESGILG
451	PLLYGEVGDT	LLIIFKNQAS	RPYNIYPHGI	TDVRPLYSRR	LPGKVKHLKD
501	FPILPGEIFK	YKWTVTVEDG	PTKSDPRCLT	RYYSSFVNME	RDLASGLIGP
551	LLICYKESVD	QRGNQIMSDK	RNVILFSVFD	ENRSWYLTEN	IQRFLPNPAG
601	VQLEDPEFQA	SNIMHSINGY	VFDSLQLSVC	LHEVAYWYIL	SIGAQTDFLS
651	VFFSGYTFKH	KMVYEDTLTL	FPFSGETVFM	SMENPGLWIL	GCHNSDFRNR
701	GMTALLKVSS	CDKNTGDYEE	DSYEDISAYL	LSKNNATEPR	SFSQNPPVLK
751	RHQREITRTT	LQSDQEEIDY	DDTISVEMKK	EDFDIYDEDE	NQSPRSFQKK
801	TRHYFIAAVE	RLWDYGMSSS	PHVLRNRAQS	GSVPQFKKV	FQEFTDGSFT
851	QPLYRGELNE	HLGLLGPIYR	AEVEDNIMVT	FRNQASRPYS	FYSSLISYEE
901	DQRQGAEPK	NFVKPNETKT	YFWKVQHMA	PTKDEFDCKA	WAYFSDVDLE
951	KDVHSGLIGP	LLVCHTNTLN	PAHGRQVTQ	EFALFFTIFD	ETKSWYFTEN
1001	MERNCRAPCN	IQMEDPTFKE	NYRFHAINGY	IMDTLPGLVM	AQDQIRRWYL
1051	LSMGSNENIH	SIHFSGHVFT	VRKKEEYKMA	LYNLYPGVFE	TVEMPLPSKAG
1101	IWRVECLIGE	HLHAGMSTLF	LVYSNKCQTP	LGMASGHIRD	FQITASGQYG
1151	QWAPKLARLH	YSGSINAWST	KEPFSWIKVD	LLAPMIIHGI	KTQGARQKFS
1201	SLYISQFIIM	YSLDGKKWQT	YRGNSTGTLN	VFFGNVDSSG	IKHNIENPPI
1251	IARYIRLHPT	YSIRSTLRM	ELMGCDLNSC	SMPLGMESKA	ISDAQKITASS
1301	YFTNMFATWS	PSKARLHLQG	RSNAWRPQVN	NPKEWLQVDF	QKTMKVTVGT
1351	TQGVKSLSTS	MYVKEFLISS	SQDGHQWTLF	FQNGKVKVFQ	GNQDSFTPVV
1401	NSLDPPLLTR	YLRIHQPSWV	HQIALRMEVL	GCEAODLY	

Fig. 1

GGCAATGGAG CGTGAAGAAG GGCCCCAGGG CTGACCCCGG CAAACGTGAC (50)  
CCGGGGCTCC GGGGTGACCC AGGCAAGCGT GGCCAAGGGG CCCGTGGGTG (100)  
ACACAGGCAA CCCTGACAAA GGCCCCCAG GAAAGACCCC CGGGGGGCAT (150)  
CGGGGGGGTG TTGGCGGGTC ATGGGGGGGG CGGGTCATGC CGCGCATTC (200)  
TGGAAAAAGT GGAGGGGGCG TGGCCTTCCC CCCGCGGCCC CCTAGCCCCC (250)  
CCGCAGAGAG CGGCGCAACG GCGGGCGAGC GGCGGGGGGT CGGGGTCCGC (300)  
GGGCTCCGGG GGCTGCGGGC GGTGGATGGC GGCTGGCGTT CCGGGGATCG (350)  
GGGGGGGGTC GGGGGGCGCT GCGCGGGCGC AGCCATGCGT GACCGTGATG (400)  
AG (402)

Fig.\_2

T0302T T60500T

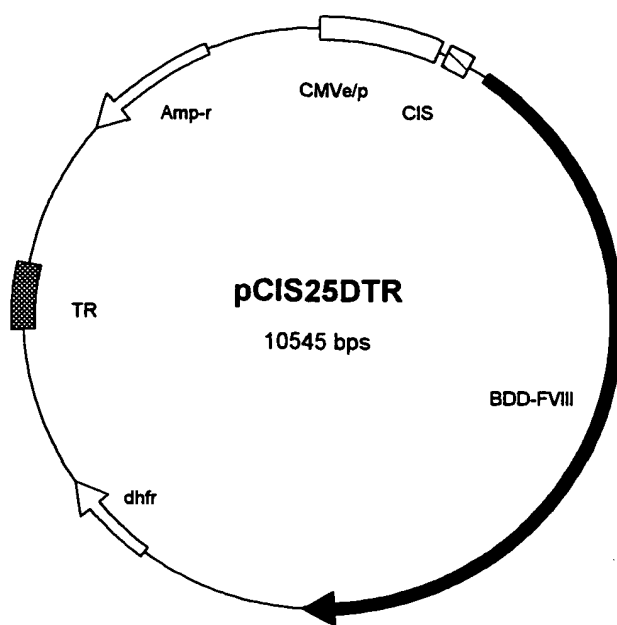


Fig.\_3

Fig. 4A

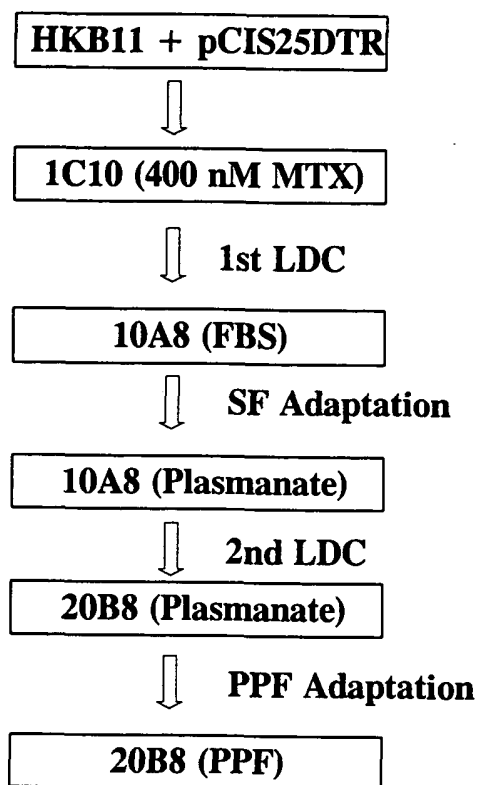
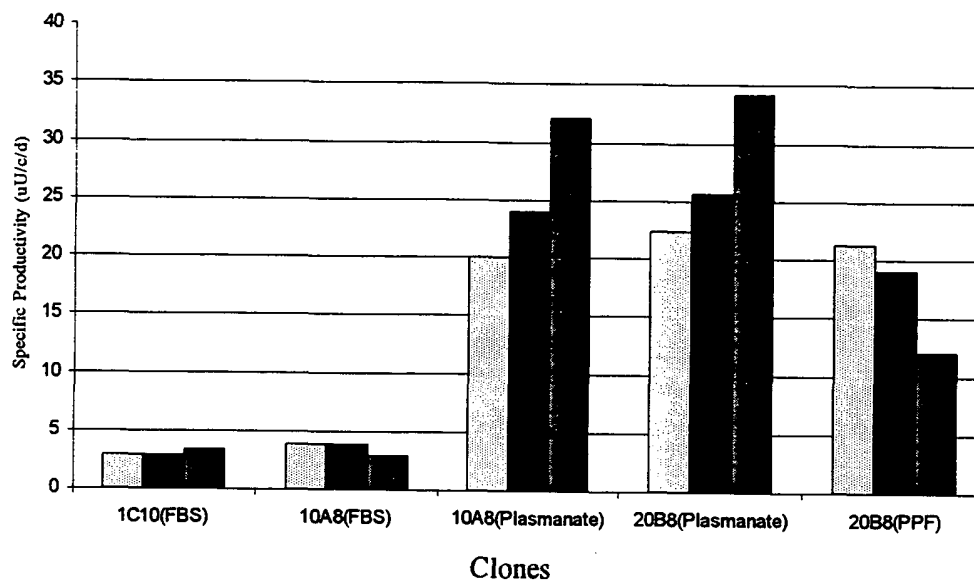


Fig. 4B



## Volumetric Productivity of HKB cells

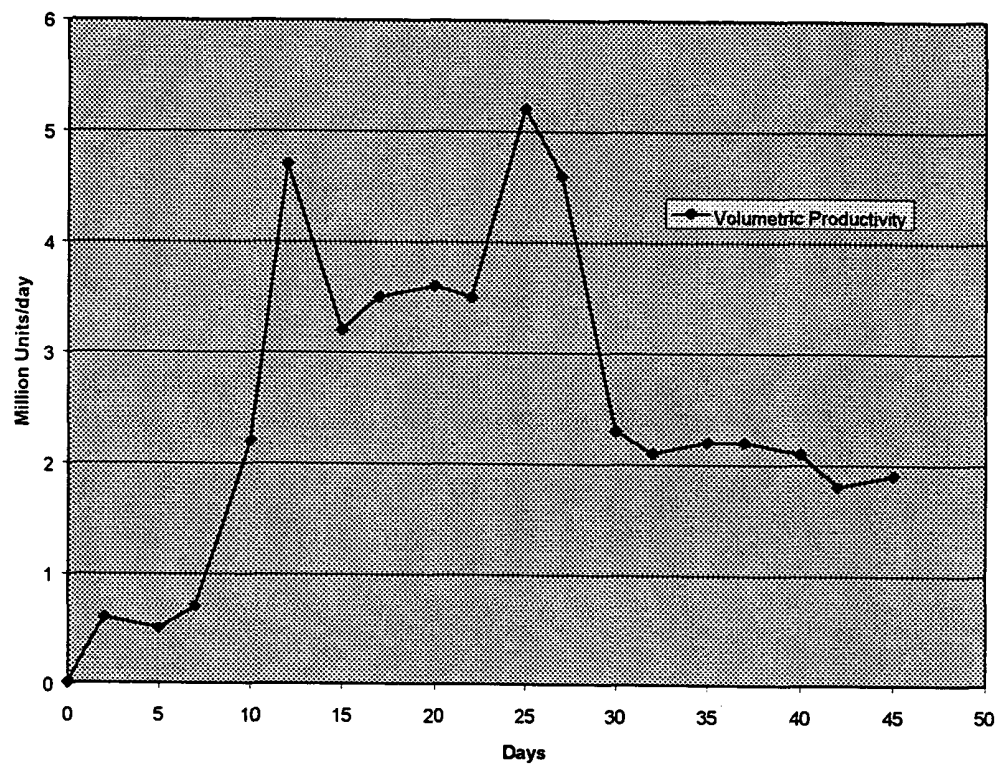


Fig.\_5